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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	unassigned 10/725,882
		Filing Date	12/1/03
		First Named Inventor	Michael Allen Seigler
		Group Art Unit	2652
		Examiner Name	EVANS, J.
Sheet 1 of 2	Attorney Docket Number	030120	

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear class/figures appear subclass
		Number	Kind Code ² (if known)			
DE		6,373,667		Han et al.	04/16/2002	360/327.22
DE		6,230,389		Zhu	05/15/2001	29/603.1
DE		6,496,333		Han et al.	12/17/2002	360/315
DE		6,449,131		Guo et al.	09/10/2002	360/315
DE		6,430,015		Ju et al.	08/06/2002	360/327.32
DE		6,310,751		Guo et al.	10/30/2001	360/315
DE		6,230,690		Umetsu	05/15/2001	123/509
DE		5,783,460		Han et al.	07/21/1998	438/3
DE		5,684,568		Ishikawa et al.	11/04/1997	355/68
DE		5,653,013		Gill et al.	08/05/1997	29/603.14
DE		5,546,254		Gill	08/13/1996	360/327.31
DE		5,079,831		Reid	01/14/1992	29/603.13
DE		6,204,071		Ju et al.	03/20/2001	438/3

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	Jeff Evans JE	Date Considered	10/05
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document by the two-letter code (WPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (10-96)

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if known			
		Application Number	unassigned 10/725,882		
		Filing Date	hereby 12/1/03		
		First Named Inventor	Michael A. Seigler		
		Group Art Unit	2652		
		Examiner Name	EVANS, J.		
Sheet	2	of	2	Attorney Docket Number	030120

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JE		B. J. VAN WEES, H. VAN HOUTEN, C. W. J. BEENAKKER, J. G. WILLIAMSON, L. P. KOUWENHOVEN, D. VAN DER MAREL and C. T. FOXON Quantized Conductance of Point Contacts in a Two-Dimensional Electron Gas Physical Review Letters, Vol. 60, No 9, February 29, 1988	
JE		Mesoscopic physics Chapter 9 9.1 Conductance quantization in quantum point contacts	
Examiner Signature	Jeff Evans JE		Date Considered 10/05

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